



EMX4i 1200V SOFT STARTER

Redefining soft starters

AuCom
MOTOR CONTROL SPECIALISTS

RIGHT FROM
THE START

EMX4i 1200V soft starter

The EMX4 soft starter helps ensure enhanced productivity of your operation. The EMX4 doesn't just start and stop your machinery with precision and efficiency, it also helps you minimise energy costs and improve operational effectiveness.

While the EMX4 offers more functionality than ever before, it has been designed to make your life easier with enhanced display and connectivity functions.

The new USB port allows straightforward upload, download and storage of starter performance information. Scheduling and automation features enable you to tailor operations to meet your site requirements, minimising manual intervention and ensuring continued operation.

The EMX4 includes starter, motor and system protection functions, complete with alarms to alert you to any potential issues. In the event that the worst does happen, Power Through and Emergency Run functions give you the power to choose to keep running.

SMART CARD FUNCTIONALITY

The EMX4 Smart Card redefines the role of a soft starter. With the appropriate Smart Card installed the EMX4 is able to operate as an entire system controller.

Smart Cards deliver industry or application specific functionality* and are easily inserted into the EMX4, simplifying system design, installation and set-up. By transforming your EMX4 with an industry specific Smart Card, your system can be purpose-built around one central point of intelligent control and communications.

*The EMX4 Smart Card release program is ongoing. Visit our website at www.aucom.com for available Smart Cards and the opportunity to suggest a development for application or industry.



Feature	Benefit
Quick Application Setup	Easy commissioning
Simulation Mode	Easy and fast testing during installation and commissioning No need for mains supply and motor
Automatic Timers and Schedulers	Fast and easy automation No need for external logic or timers
Power Through	Minimal downtime on-site Retain most control and protection capabilities
Emergency Mode	Continued operation in emergency situations
USB Port	Easy data retrieval without the need for PC or network No need for adaptor or cable Easy firmware updates Easy and fast commissioning
Pluggable Terminals	Fast installation and unit exchange





EMX4i Features

MOTOR CONTROL

- Dual motor sets
- Constant current and current ramp start
- Adaptive control starting/stopping
- Kickstart
- Coast to stop and TVR stop
- DC brake
- Soft brake
- Jog (forward and reverse)
- Inside delta (6 wire) control
- Soft trip
- Pump clean
- Reversing contactor control

MOTOR PROTECTION

- Motor thermistor
- Current imbalance
- Under/Overcurrent
- Under/Overvoltage
- Under/Overpower (dry pump protection)
- Phase sequence (forward/reverse/any)
- Phase loss
- Power loss
- Starts per hour limiting
- Restart delay (pump back spin delay)

COMMUNICATIONS OPTIONS

- Modbus RTU
- Profibus
- DeviceNet
- Modbus TCP
- Profinet
- Ethernet/IP

INTEGRATION AND MANAGEMENT

- Multi-language graphical display
- Configurable display screen
- I/O and network expansion options
- USB port and data logging
- Analog output
- Emergency run
- Voltage measurement
- SCR fail PowerThrough operation
- Daily on/off scheduling
- Run timer mode (on/off cycle timer)
- Run simulation

SMART CARD OPTIONS

- Pumping Smart Card

ACCESSORIES

- Remote Keypad

MODELS AND DIMENSIONS

Model*	Width mm	Height mm	Depth mm	Weight kg
EMX4i-0070E-V10	700	450	310	80
EMX4i-0110E-V10				
EMX4i-0200E-V10				
EMX4i-0220E-V10				
EMX4i-0250E-V10				
EMX4i-0300E-V10				
EMX4i-0360E-V10	Please consult AuCom			
EMX4i-0400E-V10	700	450	310	80
EMX4i-0070E-V12				
EMX4i-0110E-V12				
EMX4i-0200E-V12				
EMX4i-0220E-V12				
EMX4i-0250E-V12				
EMX4i-0300E-V12	Please consult AuCom			
EMX4i-0360E-V12	700	450	310	80
EMX4i-0400E-V12				

* V10 = 1000VAC mains / V12 = 1200VAC mains

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